

ABSTRACT

Disclosed is a system for an ADSL access network for providing ADSL provision flow control at a DSLAM switch. The system includes an element management system in communication with a DSLAM switch; and a network management system in communication with the element management system, the network management system including a control algorithm for controlling ADSL provision flow on a DSLAM switch by introducing a two level semaphore including a first semaphore and a second semaphore. The first semaphore controls a first provision request flow at the element management system level and the second semaphore controls a second provision request flow at the DSLAM level. Disclosed is also a method of providing ADSL provision flow control at a DSLAM switch. The method includes at a DSLAM switch, receiving a provision request from a network management system; determining whether a DSLAM level semaphore is available at the DSLAM switch; determining whether an element management system level semaphore is available; and connecting the network management system to the DSLAM.

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